

<110> INCYTE CORPORATION; TRAN, Uyen K.;
 RICHARDSON, Thomas W.; BECHA, Shanya D.;
 ELLIOTT, Vicki S.; SWARNAKAR, Anita;
 LEE, Soo Yeun; RAMKUMAR, Jayalaxmi;
 WANG, Jonathan T.; CHIEN, David;
 MURAGE, Jaji; GERA, Mili;
 MARQUIS, Joseph P.; CHAWLA, Narinder K.;
 NAKAMURA, Lisa; KABLE, Amy E.

<120> IMMUNE RESPONSE-ASSOCIATED PROTEINS

<130> PF-1629 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/429,442

<151> 2002-11-26

<150> US 60/429,839

<151> 2002-11-27

<150> US 60/439,946

<151> 2003-01-13

<150> US 60/446,182

<151> 2003-02-07

<160> 64

<170> PERL Program

<210> 1

<211> 256

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522043CD1

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Gln	Leu	Thr	Gly	Ser	Ala	Ala	Ser	Gly	Pro	Val	Lys	Glu	Leu	Val
				20					25					30
Gly	Ser	Val	Gly	Gly	Ala	Val	Thr	Phe	Pro	Leu	Lys	Ser	Lys	Val
				35					40					45
Lys	Gln	Val	Asp	Ser	Ile	Val	Trp	Thr	Phe	Asn	Thr	Thr	Pro	Leu
				50					55					60
Val	Thr	Ile	Gln	Pro	Glu	Gly	Gly	Thr	Ile	Ile	Val	Thr	Gln	Asn
				65					70					75
Arg	Asn	Arg	Glu	Arg	Val	Asp	Phe	Pro	Asp	Gly	Gly	Tyr	Ser	Leu
				80					85					90
Lys	Leu	Ser	Lys	Leu	Lys	Lys	Asn	Asp	Ser	Gly	Ile	Tyr	Tyr	Val
				95					100					105
Gly	Ile	Tyr	Ser	Ser	Ser	Leu	Gln	Gln	Pro	Ser	Thr	Gln	Glu	Tyr
				110					115					120
Val	Leu	His	Val	Tyr	Glu	His	Leu	Ser	Lys	Pro	Lys	Val	Thr	Met
				125					130					135
Gly	Leu	Gln	Ser	Asn	Lys	Asn	Gly	Thr	Cys	Val	Thr	Asn	Leu	Thr
				140					145					150
Cys	Cys	Met	Glu	His	Gly	Glu	Glu	Asp	Val	Ile	Tyr	Thr	Trp	Lys
				155					160					165
Ala	Leu	Gly	Gln	Ala	Ala	Asn	Glu	Ser	His	Asn	Gly	Ser	Ile	Leu

				170					175					180
Pro	Ile	Ser	Trp	Arg	Trp	Gly	Glu	Ser	Asp	Met	Thr	Phe	Ile	Cys
				185					190					195
Val	Ala	Arg	Asn	Pro	Val	Ser	Arg	Asn	Phe	Ser	Ser	Pro	Ile	Leu
				200					205					210
Ala	Arg	Lys	Leu	Cys	Glu	Glu	Asn	Asn	Pro	Lys	Gly	Arg	Ser	Ser
				215					220					225
Lys	Tyr	Gly	Leu	Leu	His	Cys	Gly	Asn	Thr	Glu	Lys	Asp	Gly	Lys
				230					235					240
Ser	Pro	Leu	Thr	Ala	His	Asp	Ala	Arg	His	Thr	Lys	Ala	Ile	Cys
				245					250					255
Leu														

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523539CD1

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Ala	Ser	Leu	Met	Val	Leu	Val	Ala	Ile	Gly	Thr	Ala	Val	Thr	Ala
				20					25					30
Ala	Val	Asn	Pro	Gly	Val	Val	Val	Arg	Ile	Ser	Gln	Lys	Gly	Leu
				35					40					45
Asp	Tyr	Ala	Ser	Gln	Gln	Gly	Thr	Ala	Ala	Leu	Gln	Lys	Glu	Leu
				50					55					60
Lys	Arg	Ile	Lys	Ile	Pro	Asp	Tyr	Ser	Asp	Ser	Phe	Lys	Ile	Lys
				65					70					75
His	Leu	Gly	Lys	Gly	His	Tyr	Ser	Phe	Tyr	Ser	Met	Asp	Ile	Arg
				80					85					90
Glu	Phe	Gln	Leu	Pro	Ser	Ser	Gln	Ile	Ser	Met	Val	Pro	Asn	Val
				95					100					105
Gly	Leu	Lys	Phe	Ser	Ile	Ser	Asn	Ala	Asn	Ile	Lys	Ile	Ser	Gly
				110					115					120
Lys	Trp	Lys	Ala	Gln	Lys	Arg	Phe	Leu	Trp	Leu	Ile	Gln	Leu	Phe
				125					130					135
His	Lys	Lys	Ile	Glu	Ser	Ala	Leu	Arg	Asn	Lys	Met	Asn	Ser	Gln
				140					145					150
Val	Cys	Glu	Lys	Val	Thr	Asn	Ser	Val	Ser	Ser	Lys	Leu	Gln	Pro
				155					160					165
Tyr	Phe	Gln	Thr	Leu	Pro	Val	Met	Thr	Lys	Ile	Asp	Ser	Val	Ala
				170					175					180
Gly	Ile	Asn	Tyr	Gly	Leu	Val	Ala	Pro	Pro	Ala	Thr	Thr	Ala	Glu
				185					190					195
Thr	Leu	Asp	Val	Gln	Met	Lys	Gly	Glu	Phe	Tyr	Ser	Glu	Asn	His
				200					205					210
His	Asn	Pro	Pro	Pro	Phe	Ala	Pro	Pro	Val	Met	Glu	Phe	Pro	Ala
				215					220					225
Ala	His	Asp	Arg	Met	Val	Tyr	Leu	Gly	Leu	Ser	Asp	Tyr	Phe	Phe
				230					235					240
Asn	Thr	Ala	Gly	Leu	Val	Tyr	Gln	Glu	Ala	Gly	Val	Leu	Lys	Met
				245					250					255
Thr	Leu	Arg	Asp	Asp	Met	Ile	Pro	Lys	Glu	Ser	Lys	Phe	Arg	Leu
				260					265					270
Thr	Thr	Lys	Phe	Phe	Gly	Thr	Phe	Leu	Pro	Glu	Val	Ala	Lys	Lys
				275					280					285
Phe	Pro	Asn	Met	Lys	Ile	Gln	Ile	His	Val	Ser	Ala	Ser	Thr	Pro
				290					295					300

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Pro His Leu Ser Val Gln Pro Thr Gly Leu Thr Phe Tyr Pro Ala
      305      310      315
Val Asp Val Gln Ala Phe Ala Val Leu Pro Asn Ser Ser Leu Ala
      320      325      330
Ser Leu Phe Leu Ile Gly Met His Thr Thr Gly Ser Met Glu Val
      335      340      345
Ser Ala Glu Ser Asn Arg Leu Val Gly Glu Leu Lys Leu Asp Arg
      350      355      360
Leu Leu Leu Glu Leu Lys His Ser Asn Ile Gly Pro Phe Pro Val
      365      370      375
Glu Leu Leu Gln Asp Ile Met Asn Tyr Ile Val Pro Ile Leu Val
      380      385      390
Leu Pro Arg Val Asn Glu Lys Leu Gln Lys Gly Phe Pro Leu Pro
      395      400      405
Thr Pro Ala Arg Val Gln Leu Tyr Asn Val Val Leu Gln Pro His
      410      415      420
Gln Asn Phe Leu Leu Phe Gly Ala Asp Val Val Tyr Lys
      425      430

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<210> 3
 <211> 142
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7523587CD1

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Met Arg Thr Leu Leu Thr Ile Leu Thr Val Gly Ser Leu Ala Ala
  1      5      10      15
His Ala Pro Glu Asp Pro Ser Asp Leu Leu Gln His Val Lys Phe
      20      25      30
Gln Ser Ser Asn Phe Glu Asn Ile Leu Thr Trp Asp Ser Gly Pro
      35      40      45
Glu Gly Thr Pro Asp Thr Val Tyr Ser Ile Glu Tyr Lys Thr Tyr
      50      55      60
Gly Glu Arg Asp Trp Val Ala Lys Lys Gly Cys Gln Arg Ile Thr
      65      70      75
Arg Lys Ser Cys Asn Leu Thr Val Glu Thr Gly Asn Leu Thr Glu
      80      85      90
Leu Tyr Tyr Ala Arg Val Thr Ala Val Ser Ala Gly Gly Arg Ser
      95      100      105
Ala Thr Lys Met Thr Asp Arg Phe Ser Ser Leu Gln His Arg Arg
      110      115      120
Arg Pro Thr Ala Phe Ile Thr Phe Ser Lys Glu Ser Val Asn Gln
      125      130      135
Gln Ser Tyr Pro Gln Ala Thr
      140

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<210> 4
 <211> 450
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7523622CD1

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Met Arg Glu Asn Met Ala Arg Gly Pro Cys Asn Thr Pro Arg Trp
  1      5      10      15
Val Ser Leu Met Val Leu Val Ala Ile Gly Thr Ala Val Thr Ala
      20      25      30

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Ala	Val	Asn	Pro	Gly	Val	Val	Val	Arg	Ile	Ser	Gln	Lys	Gly	Leu	35	40	45
Asp	Tyr	Ala	Ser	Gln	Gln	Gly	Thr	Ala	Ala	Leu	Gln	Lys	Glu	Leu	50	55	60
Lys	Arg	Ile	Lys	Ile	Pro	Asp	Tyr	Ser	Asp	Ser	Phe	Lys	Ile	Lys	65	70	75
His	Leu	Gly	Lys	Gly	His	Tyr	Ser	Phe	Tyr	Ser	Met	Asp	Ile	Arg	80	85	90
Glu	Phe	Gln	Leu	Pro	Ser	Ser	Gln	Ile	Ser	Met	Val	Pro	Asn	Val	95	100	105
Gly	Leu	Lys	Phe	Ser	Ile	Ser	Asn	Ala	Asn	Ile	Lys	Ile	Ser	Gly	110	115	120
Lys	Trp	Lys	Ala	Gln	Lys	Arg	Phe	Leu	Lys	Met	Ser	Gly	Asn	Phe	125	130	135
Asp	Leu	Ser	Ile	Glu	Gly	Met	Ser	Ile	Ser	Ala	Asp	Leu	Lys	Leu	140	145	150
Gly	Ser	Asn	Pro	Thr	Ser	Gly	Lys	Pro	Thr	Ile	Thr	Cys	Ser	Ser	155	160	165
Cys	Ser	Ser	His	Ile	Asn	Ser	Val	His	Val	His	Ile	Ser	Lys	Ser	170	175	180
Lys	Val	Gly	Trp	Leu	Ile	Gln	Leu	Phe	His	Lys	Lys	Ile	Glu	Ser	185	190	195
Ala	Leu	Arg	Asn	Lys	Met	Asn	Ser	Gln	Val	Cys	Glu	Glu	Val	Thr	200	205	210
Asn	Ser	Val	Ser	Ser	Glu	Leu	Gln	Pro	Tyr	Phe	Gln	Thr	Leu	Pro	215	220	225
Val	Met	Thr	Lys	Ile	Asp	Ser	Val	Ala	Gly	Ile	Asn	Tyr	Gly	Leu	230	235	240
Val	Ala	Pro	Pro	Ala	Thr	Thr	Ala	Glu	Thr	Leu	Asp	Val	Gln	Met	245	250	255
Lys	Gly	Glu	Phe	Tyr	Ser	Glu	Asn	His	His	Asn	Pro	Pro	Pro	Phe	260	265	270
Ala	Pro	Pro	Val	Met	Glu	Phe	Pro	Ala	Ala	His	Asp	Arg	Met	Val	275	280	285
Tyr	Leu	Gly	Leu	Ser	Asp	Tyr	Phe	Phe	Asn	Thr	Ala	Gly	Leu	Val	290	295	300
Tyr	Gln	Glu	Ala	Gly	Val	Leu	Lys	Met	Thr	Leu	Arg	Asp	Asp	Met	305	310	315
Ile	Pro	Lys	Glu	Ser	Lys	Phe	Arg	Leu	Thr	Thr	Lys	Phe	Phe	Gly	320	325	330
Thr	Phe	Leu	Pro	Glu	Val	Ala	Lys	Lys	Phe	Pro	Asn	Met	Lys	Ile	335	340	345
Gln	Ile	His	Val	Ser	Ala	Ser	Thr	Pro	Pro	His	Leu	Ser	Val	Gln	350	355	360
Pro	Thr	Gly	Leu	Thr	Phe	Tyr	Pro	Ala	Val	Asp	Val	Gln	Ala	Phe	365	370	375
Ala	Val	Leu	Pro	Asn	Ser	Ser	Leu	Ala	Ser	Leu	Phe	Leu	Ile	Gly	380	385	390
Met	Val	Glu	Leu	Leu	Gln	Asp	Ile	Met	Asn	Tyr	Ile	Val	Pro	Ile	395	400	405
Leu	Val	Leu	Pro	Arg	Val	Asn	Glu	Lys	Leu	Gln	Lys	Gly	Phe	Pro	410	415	420
Leu	Pro	Thr	Pro	Ala	Arg	Val	Gln	Leu	Tyr	Asn	Val	Val	Leu	Gln	425	430	435
Pro	His	Gln	Asn	Phe	Leu	Leu	Phe	Gly	Ala	Asp	Val	Val	Tyr	Lys	440	445	450

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 His Ala Pro Glu Asp Pro Ser Asp Leu Leu Gln His Val Lys Phe
 20 25 30
 Gln Ser Ser Asn Phe Glu Asn Ile Leu Thr Trp Asp Ser Gly Pro
 35 40 45
 Glu Gly Thr Pro Asp Thr Val Tyr Ser Ile Glu Tyr Lys Thr Lys
 50 55 60
 Lys Thr His Ser Ile His His Ile Leu Lys Gly Val Cys Lys Pro
 65 70 75
 Ala Lys Leu Pro Ser Ser His Leu Met
 80

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 Met Arg Gly Gly Arg Gly Ala Pro Phe Trp Leu Trp Pro Leu Pro
 1 5 10 15
 Lys Leu Ala Leu Leu Pro Leu Leu Trp Val Leu Phe Gln Arg Thr
 20 25 30
 Arg Pro Gln Gly Ser Ala Gly Pro Leu Gln Cys Tyr Gly Val Gly
 35 40 45
 Pro Leu Gly Asp Leu Asn Cys Ser Trp Glu Pro Leu Gly Asp Leu
 50 55 60
 Gly Ala Pro Ser Glu Leu His Leu Gln Ser Gln Lys Tyr Glu Ala
 65 70 75
 Lys Arg Pro Pro Ala Gly Pro
 80

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 <221> misc_feature
 <223> Incyte ID No: 7523763CD1

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 Met Ile Thr Glu Gly Ala Gln Ala Pro Arg Leu Leu Leu Pro Pro
 1 5 10 15
 Leu Leu Leu Leu Leu Thr Leu Pro Ala Thr Gly Ser Asp Pro Val
 20 25 30
 Leu Cys Phe Thr Gln Tyr Glu Glu Ser Ser Gly Lys Cys Lys Gly
 35 40 45
 Leu Leu Gly Gly Gly Val Ser Val Glu Asp Cys Cys Leu Asn Thr
 50 55 60
 Ala Phe Ala Tyr Gln Lys Arg Ser Gly Gly Leu Cys Gln Pro Cys
 65 70 75
 Ser Pro Tyr Leu Cys Leu Leu Arg Thr Trp Cys Trp Pro Cys Gln
 80 85 90
 Pro Ser Asn Gly Asn Ser Arg Cys Leu Ile Val Lys Val Pro Thr
 95 100 105

Met	Val	Pro	Val	Val	His	Met	Gly	Pro	Leu	Phe	Gly	Asp	Val	Leu
				110					115					120

<210> 8

<211> 411

<212> PRT

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<221> misc feature

<223> Incyte ID No: 7523006CD1

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Met	Ile	Thr	Glu	Gly	Ala	Gln	Ala	Pro	Arg	Leu	Leu	Leu	Pro	Pro
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Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val
				20					25					30
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly
				35					40					45
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr
				50					55					60
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys
				65					70					75
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser
				80					85					90
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val
				95					100					105
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu
				110					115					120
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Glu
				125					130					135
Met	Gly	Gly	Trp	Ser	Gly	Trp	Gly	Pro	Trp	Glu	Pro	Cys	Ser	Val
				140					145					150
Thr	Cys	Ser	Lys	Gly	Thr	Arg	Thr	Arg	Arg	Arg	Ala	Cys	Asn	His
				155					160					165
Pro	Ala	Pro	Lys	Cys	Gly	Ala	His	Cys	Pro	Gly	Gln	Ala	Gln	Glu
				170					175					180
Ser	Glu	Ala	Cys	Asp	Thr	Gln	Gln	Val	Cys	Pro	Thr	His	Gly	Ala
				185					190					195
Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala	Ser	Cys	His
				200					205					210
Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg	Lys	Cys	Ser
				215					220					225
Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro	Cys	Pro	Gly
				230					235					240
Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro	Pro	Cys	Pro
				245					250					255
Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser	Pro	Cys	Ile
				260					265					270
Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile	Pro	Gly	Gln
				275					280					285
Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe	Asp	Gly	His
				290					295					300
Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys	Tyr	Ser	Ile
				305					310					315
Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp	Ser	Thr	Trp
				320					325					330
Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr	Arg	Ala	Arg
				335					340					345
Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro	Pro	Thr	Val
				350					355					360
Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr	Phe	Trp	Gly
				365					370					375

Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln	Lys	Leu	Val
				380					385					390
Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala	Cys	Lys	Glu
				395					400					405
Pro	Glu	Glu	Glu	Glu	Leu									
				410										

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Val	Val	Cys	Leu	Leu	His	Cys	Phe	Gly	Phe	Ile	Ser	Cys	Phe	Ser
				20					25					30
Gln	Gln	Ile	Tyr	Gly	Val	Val	Tyr	Gly	Asn	Val	Thr	Phe	His	Val
				35					40					45
Pro	Ser	Asn	Val	Pro	Leu	Lys	Glu	Val	Leu	Trp	Lys	Lys	Gln	Lys
				50					55					60
Asp	Lys	Val	Ala	Glu	Leu	Glu	Asn	Ser	Glu	Phe	Arg	Ala	Phe	Ser
				65					70					75
Ser	Phe	Lys	Asn	Arg	Val	Tyr	Leu	Asp	Thr	Val	Ser	Gly	Ser	Leu
				80					85					90
Thr	Ile	Tyr	Asn	Leu	Thr	Ser	Ser	Asp	Glu	Asp	Glu	Tyr	Glu	Met
				95					100					105
Glu	Ser	Pro	Asn	Ile	Thr	Asp	Thr	Met	Lys	Phe	Phe	Leu	Tyr	Val
				110					115					120
Leu	Glu	Ser	Leu	Pro	Ser	Pro	Thr	Leu	Thr	Cys	Ala	Leu	Thr	Asn
				125					130					135
Gly	Ser	Ile	Glu	Val	Gln	Cys	Met	Ile	Pro	Glu	His	Tyr	Asn	Ser
				140					145					150
His	Arg	Gly	Leu	Ile	Met	Tyr	Ser	Trp	Asp	Cys	Pro	Met	Glu	Gln
				155					160					165
Cys	Lys	Arg	His	Ser	Arg	His	Arg	Tyr	Ala	Leu	Ile	Pro	Ile	Pro
				170					175					180
Leu	Ala	Val	Ile	Thr	Thr	Cys	Ile	Val	Leu	Tyr	Met	Asn	Gly	Ile
				185					190					195
Leu	Lys	Cys	Asp	Arg	Lys	Pro	Asp	Arg	Thr	Asn	Ser	Asn		
				200					205					

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Met	Arg	Phe	Thr	Phe	Pro	Leu	Met	Ala	Ile	Val	Leu	Glu	Ile	Ala
1				5					10					15
Met	Ile	Val	Leu	Phe	Gly	Leu	Phe	Val	Glu	Tyr	Glu	Thr	Asp	Gln
				20					25					30
Thr	Val	Leu	Glu	Gln	Leu	Asn	Ile	Thr	Lys	Pro	Thr	Asp	Met	Gly
				35					40					45
Met	Phe	Phe	Glu	Leu	Tyr	Pro	Arg	Leu						
				50										

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 Ala Thr Arg Thr Trp Pro Cys Thr Leu Leu Phe Phe Leu Leu Phe
 20 25 30
 Ile Pro Val Phe Cys Lys Ala Thr His Val Ala Gln Pro Ala Val
 35 40 45
 Val Leu Ala Ser Ser Arg Gly Ile Ala Ser Phe Val Cys Glu Tyr
 50 55 60
 Ala Ser Pro Gly Lys Ala Thr Glu Val Arg Val Thr Val Leu Arg
 65 70 75
 Gln Ala Asp Ser Gln Val Thr Glu Val Cys Ala Ala Thr Tyr Met
 80 85 90
 Met Gly Asn Glu Leu Thr Phe Leu Asp Asp Ser Ile Cys Thr Gly
 95 100 105
 Thr Ser Ser Gly Asn Gln Val Asn Leu Thr Ile Gln Gly Leu Arg
 110 115 120
 Ala Met Asp Thr Gly Leu Tyr Ile Cys Lys Val Glu Leu Met Tyr
 125 130 135
 Pro Pro Pro Tyr Tyr Leu Gly Ile Gly Asn Gly Thr Gln Ile Tyr
 140 145 150
 Val Ile Ala Lys Glu Lys Lys Pro Ser Tyr Asn Arg Gly Leu Cys
 155 160 165
 Glu Asn Ala Pro Asn Arg Ala Arg Met
 170

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<220>
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<400> 12
 Met Asp Thr Thr Arg Tyr Ser Lys Trp Gly Gly Ser Ser Glu Glu
 1 5 10 15
 Val Pro Gly Gly Pro Trp Gly Arg Trp Val His Trp Ser Arg Arg
 20 25 30
 Pro Leu Phe Leu Ala Leu Ala Val Leu Val Thr Thr Val Leu Trp
 35 40 45
 Ala Val Ile Leu Ser Ile Leu Leu Ser Lys Gly Ser Gly Thr Gln
 50 55 60
 Ala Gln Leu Gln Thr Thr Arg Ala Glu Leu Gly Glu Ala Gln Ala
 65 70 75
 Lys Leu Met Glu Gln Glu Ser Ala Leu Arg Glu Leu Arg Glu Arg
 80 85 90
 Val Thr Gln Gly Leu Ala Glu Ala Gly Arg Gly Arg Glu Asp Val
 95 100 105
 Arg Thr Glu Leu Phe Arg Ala Leu Glu Ala Val Arg Leu Gln Asn
 110 115 120
 Asn Ser Cys Glu Pro Cys Pro Thr Ser Trp Leu Ser Phe Glu Gly
 125 130 135

Ser	Cys	Tyr	Phe	Phe	Ser	Val	Pro	Lys	Thr	Thr	Trp	Ala	Ala	Ala	
				140					145						150
Gln	Asp	His	Cys	Ala	Asp	Ala	Ser	Ala	His	Leu	Val	Ile	Val	Gly	
				155					160						165
Gly	Leu	Asp	Glu	Gln	Gly	Phe	Leu	Thr	Arg	Asn	Thr	Arg	Gly	Arg	
				170					175						180
Gly	Tyr	Trp	Leu	Gly	Leu	Arg	Ala	Val	Arg	His	Leu	Gly	Lys	Val	
				185					190						195
Gln	Gly	Tyr	Gln	Trp	Val	Asp	Gly	Val	Ser	Leu	Ser	Phe	Ser	His	
				200					205						210
Trp	Asn	Gln	Gly	Glu	Pro	Asn	Asp	Ala	Trp	Gly	Arg	Glu	Asn	Cys	
				215					220						225
Val	Met	Met	Leu	His	Thr	Gly	Leu	Trp	Asn	Asp	Ala	Pro	Cys	Asp	
				230					235						240
Ser	Glu	Lys	Asp	Gly	Trp	Ile	Cys	Glu	Lys	Arg	His	Asn	Cys		
				245					250						

<210> 13
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7521779CD1

<400> 13

Met	Ala	Phe	Val	Cys	Leu	Ala	Ile	Gly	Cys	Leu	Tyr	Thr	Phe	Leu	
1				5					10						15
Ile	Ser	Thr	Thr	Phe	Gly	Cys	Thr	Ser	Ser	Ser	Asp	Thr	Glu	Ile	
				20					25						30
Lys	Val	Asn	Pro	Pro	Gln	Asp	Phe	Glu	Ile	Val	Asp	Pro	Gly	Tyr	
				35					40						45
Leu	Gly	Tyr	Leu	Tyr	Leu	Gln	Trp	Gln	Pro	Pro	Leu	Ser	Leu	Asp	
				50					55						60
His	Phe	Lys	Glu	Cys	Thr	Val	Glu	Tyr	Glu	Leu	Lys	Tyr	Arg	Asn	
				65					70						75
Ile	Gly	Ser	Glu	Thr	Trp	Lys	Thr	Ile	Ile	Thr	Lys	Asn	Leu	His	
				80					85						90
Tyr	Lys	Asp	Gly	Phe	Asp	Leu	Asn	Lys	Gly	Ile	Glu	Ala	Lys	Ile	
				95					100						105
His	Thr	Leu	Leu	Pro	Trp	Gln	Cys	Thr	Asn	Gly	Ser	Glu	Val	Gln	
				110					115						120
Ser	Ser	Trp	Ala	Glu	Thr	Thr	Tyr	Trp	Ile	Ser	Pro	Gln	Gly	Ile	
				125					130						135
Pro	Glu	Thr	Lys	Val	Gln	Asp	Met	Asp	Cys	Val	Tyr	Tyr	Asn	Trp	
				140					145						150
Gln	Tyr	Leu	Leu	Cys	Ser	Trp	Lys	Pro	Gly	Ile	Gly	Val	Leu	Leu	
				155					160						165
Asp	Thr	Asn	Tyr	Asn	Leu	Phe	Tyr	Trp	Tyr	Glu	Gly	Leu	Asp	His	
				170					175						180
Ala	Leu	Gln	Cys	Val	Asp	Tyr	Ile	Lys	Ala	Asp	Gly	Gln	Asn	Ile	
				185					190						195
Gly	Cys	Arg	Phe	Pro	Tyr	Leu	Glu	Ala	Ser	Asp	Tyr	Lys	Asp	Phe	
				200					205						210
Tyr	Ile	Cys	Val	Asn	Gly	Ser	Ser	Glu	Asn	Lys	Pro	Ile	Arg	Ser	
				215					220						225
Ser	Tyr	Phe	Thr	Phe	Gln	Leu	Gln	Asn	Ile	Val	Lys	Pro	Leu	Pro	
				230					235						240
Pro	Val	Tyr	Leu	Thr	Phe	Thr	Arg	Glu	Ser	Ser	Cys	Glu	Ile	Lys	
				245					250						255
Leu	Lys	Trp	Ser	Ile	Pro	Leu	Gly	Pro	Ile	Pro	Ala	Arg	Cys	Phe	
				260					265						270
Asp	Tyr	Glu	Ile	Glu	Ile	Arg	Glu	Asp	Asp	Thr	Thr	Leu	Val	Val	

	275		280		285
Lys Thr Tyr Arg	Arg	Lys Leu Cys Tyr	Val Ser Gly Tyr His	Leu	
	290		295	300	
Val Ser Ser					

<210> 14
 <211> 224
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521826CD1

<400> 14

Met Asp Tyr Pro Thr	Leu Leu Leu Ala Leu	Leu His Val Tyr Arg
1 5	10	15
Asp Ser Phe Glu Ala	Ala Val Pro Ser Asn	Ser His Ile Val Ser
20 25	30	
Glu Pro Gly Lys Asn	Val Thr Leu Thr Cys	Gln Pro Gln Met Thr
35 40	45	
Trp Pro Val Gln Ala	Val Arg Trp Glu Lys	Ile Gln Pro Arg Gln
50 55	60	
Ile Asp Leu Leu Thr	Tyr Cys Asn Leu Val	His Gly Arg Asn Phe
65 70	75	
Thr Ser Lys Phe Pro	Arg Gln Ile Val Ser	Asn Cys Ser His Gly
80 85	90	
Arg Trp Ser Val Ile	Val Ile Pro Asp Val	Thr Val Ser Asp Ser
95 100	105	
Gly Leu Tyr Arg Cys	Tyr Leu Gln Ala Ser	Ala Gly Glu Asn Glu
110 115	120	
Thr Phe Val Met Arg	Leu Thr Val Ala Glu	Gly Lys Thr Asp Asn
125 130	135	
Gln Tyr Thr Leu Phe	Val Ala Gly Gly Thr	Val Leu Leu Leu Leu
140 145	150	
Phe Val Ile Ser Ile	Thr Thr Ile Ile Val	Ile Phe Leu Asn Arg
155 160	165	
Arg Arg Arg Arg Glu	Arg Arg Asp Leu Phe	Thr Glu Ser Trp Asp
170 175	180	
Thr Gln Lys Ala Pro	Asn Asn Tyr Arg Ser	Pro Ile Ser Thr Gly
185 190	195	
Gln Pro Thr Asn Gln	Ser Met Asp Asp Thr	Arg Glu Asp Ile Tyr
200 205	210	
Val Asn Tyr Pro Thr	Phe Ser Arg Arg Pro	Lys Thr Arg Val
215 220		

<210> 15
 <211> 165
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7521901CD1

<400> 15

Met Ala Gly Ser Pro	Thr Cys Leu Thr Leu	Ile Tyr Ile Leu Trp
1 5	10	15
Gln Leu Thr Gly Ser	Ala Ala Ser Gly Pro	Val Lys Glu Leu Val
20 25	30	
Gly Ser Val Gly Gly	Ala Val Thr Phe Pro	Leu Lys Ser Lys Val
35 40	45	
Lys Gln Val Asp Ser	Ile Val Trp Thr Phe	Asn Thr Thr Pro Leu

				50					55					60
Val	Thr	Ile	Gln	Pro	Glu	Gly	Gly	Thr	Ile	Ile	Val	Thr	Gln	Asn
				65					70					75
Arg	Asn	Arg	Glu	Arg	Val	Asp	Phe	Pro	Asp	Gly	Gly	Tyr	Ser	Leu
				80					85					90
Lys	Leu	Ser	Lys	Leu	Lys	Lys	Asn	Asp	Ser	Gly	Ile	Tyr	Tyr	Val
				95					100					105
Gly	Ile	Tyr	Ser	Ser	Ser	Leu	Gln	Gln	Pro	Ser	Thr	Gln	Glu	Tyr
				110					115					120
Val	Leu	His	Val	Tyr	Glu	Asn	Asn	Pro	Lys	Gly	Arg	Ser	Ser	Lys
				125					130					135
Tyr	Gly	Leu	Leu	His	Cys	Gly	Asn	Thr	Glu	Lys	Asp	Gly	Lys	Ser
				140					145					150
Pro	Leu	Thr	Ala	His	Asp	Ala	Arg	His	Thr	Lys	Ala	Ile	Cys	Leu
				155					160					165

<210> 16
 <211> 228
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522003CD1

<400> 16														
Met	Ile	Phe	Leu	Leu	Leu	Met	Leu	Ser	Leu	Glu	Leu	Gln	Leu	Arg
1				5					10					15
Gln	Ile	Ala	Ala	Leu	Phe	Thr	Val	Thr	Val	Pro	Lys	Glu	Leu	Tyr
				20					25					30
Ile	Ile	Glu	His	Gly	Ser	Asn	Val	Thr	Leu	Glu	Cys	Asn	Phe	Asp
				35					40					45
Thr	Gly	Ser	His	Val	Asn	Leu	Gly	Ala	Ile	Thr	Ala	Ser	Leu	Gln
				50					55					60
Lys	Val	Glu	Asn	Asp	Thr	Ser	Pro	His	Arg	Glu	Arg	Ala	Thr	Leu
				65					70					75
Leu	Glu	Glu	Gln	Leu	Pro	Leu	Gly	Lys	Ala	Ser	Phe	His	Ile	Pro
				80					85					90
Gln	Val	Gln	Val	Arg	Asp	Glu	Gly	Gln	Tyr	Gln	Cys	Ile	Ile	Ile
				95					100					105
Tyr	Gly	Val	Ala	Trp	Asp	Tyr	Lys	Tyr	Leu	Thr	Leu	Lys	Val	Lys
				110					115					120
Ala	Ser	Tyr	Arg	Lys	Ile	Asn	Thr	His	Ile	Leu	Lys	Val	Pro	Glu
				125					130					135
Thr	Asp	Glu	Val	Glu	Leu	Thr	Cys	Gln	Ala	Thr	Gly	Tyr	Pro	Leu
				140					145					150
Ala	Glu	Val	Ser	Trp	Pro	Asn	Val	Ser	Val	Pro	Ala	Asn	Thr	Ser
				155					160					165
His	Ser	Arg	Thr	Pro	Glu	Gly	Leu	Tyr	Gln	Val	Thr	Ser	Val	Leu
				170					175					180
Arg	Leu	Lys	Pro	Pro	Pro	Gly	Arg	Asn	Phe	Ser	Cys	Val	Phe	Trp
				185					190					195
Asn	Thr	His	Val	Arg	Glu	Leu	Thr	Leu	Ala	Ser	Ile	Asp	Leu	Gln
				200					205					210
Asn	Thr	Thr	Lys	Arg	Pro	Val	Thr	Thr	Thr	Lys	Arg	Glu	Val	Asn
				215					220					225
Ser	Ala	Ile												

<210> 17
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522014CD1

<400> 17

Met	Pro	Glu	Glu	Gly	Ser	Gly	Cys	Ser	Val	Arg	Arg	Arg	Pro	Tyr	
1				5					10					15	
Gly	Cys	Val	Leu	Arg	Ala	Ala	Leu	Val	Pro	Leu	Val	Ala	Gly	Leu	
				20					25					30	
Val	Ile	Cys	Leu	Val	Val	Cys	Ile	Gln	Arg	Phe	Ala	Gln	Ala	Gln	
				35					40					45	
Gln	Gln	Leu	Pro	Leu	Glu	Ser	Leu	Gly	Asp	Leu	Ser	Arg	Thr	Pro	
				50					55					60	
Gly	Tyr	Thr	Gly	Arg	Gly	Ala	Gln	His	Trp	Ala	Ala	Pro	Ser	Cys	
				65					70					75	
Met	Asp	Gln	Ser	Trp	Thr	Arg	Gly	Ser	Tyr	Val	Ser	Ile	Val	Met	
				80					85					90	
Ala	Ser	Thr	Trp	Tyr	Thr	Ser	Arg								
				95											

<210> 18

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522038CD1

<400> 18

Met	Ser	Pro	His	Leu	Thr	Ala	Leu	Leu	Gly	Leu	Val	Leu	Cys	Leu	
1				5					10					15	
Ala	Gln	Thr	Ile	His	Thr	Gln	Glu	Glu	Asp	Leu	Pro	Arg	Pro	Ser	
				20					25					30	
Ile	Ser	Ala	Glu	Pro	Gly	Thr	Val	Ile	Pro	Leu	Gly	Ser	His	Val	
				35					40					45	
Thr	Phe	Val	Cys	Arg	Gly	Pro	Val	Gly	Val	Gln	Thr	Phe	Arg	Leu	
				50					55					60	
Glu	Arg	Glu	Ser	Arg	Ser	Thr	Tyr	Asn	Asp	Thr	Glu	Asp	Val	Ser	
				65					70					75	
Gln	Ala	Ser	Pro	Ser	Glu	Ser	Glu	Ala	Arg	Phe	Arg	Ile	Asp	Ser	
				80					85					90	
Lys	Pro	Leu	Glu	Ala	Arg	Thr	Pro	Arg	Thr	Gln	Ser	Pro	Ala	Pro	
				95					100					105	
Gln	Leu	Gly	Leu	Cys	Gln	Ala	Leu	Lys	Pro	Pro	Asp	Leu	Met	His	
				110					115					120	
His	Glu														

<210> 19

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523429CD1

<400> 19

Met	Ser	Ser	Ala	Ala	Arg	Ser	Arg	Leu	Thr	Arg	Ala	Thr	Arg	Gln	
1				5					10					15	
Glu	Met	Leu	Phe	Leu	Ala	Leu	Leu	Leu	Leu	Pro	Val	Val	Val	Ala	
				20					25					30	

Phe	Ala	Arg	Gly	Glu	Ser	Arg	Asn	Gln	Ala	Gly	Arg	Ala	Ser	Ser
				35					40					45
Gly	Glu	Gly	Glu	Ser	Gly	Lys	Pro	Trp	Gly	Trp	Gly	Gly	Ile	Leu
				50					55					60

<210> 20
 <211> 139
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523941CD1

<400> 20

Met	Arg	Gly	Leu	Gly	Leu	Trp	Leu	Leu	Gly	Ala	Met	Met	Leu	Pro
1				5					10					15
Ala	Ile	Ala	Pro	Ser	Arg	Pro	Trp	Ala	Leu	Met	Glu	Gln	Tyr	Glu
				20					25					30
Val	Val	Leu	Pro	Arg	Arg	Leu	Pro	Gly	Pro	Arg	Val	Arg	Arg	Ala
				35					40					45
Leu	Pro	Ser	His	Leu	Gly	Leu	Arg	Pro	Glu	Arg	Val	Ser	Tyr	Val
				50					55					60
Leu	Gly	Ala	Thr	Gly	His	Asn	Phe	Thr	Leu	His	Leu	Arg	Lys	Asn
				65					70					75
Arg	Asp	Leu	Leu	Gly	Ser	Gly	Tyr	Thr	Glu	Thr	Tyr	Thr	Ala	Ala
				80					85					90
Asn	Gly	Ser	Glu	Val	Thr	Glu	Gln	Pro	Arg	Gly	Gln	Asp	His	Cys
				95					100					105
Phe	Tyr	Gln	Gly	His	Val	Glu	Gly	Tyr	Pro	Asp	Ser	Ala	Ala	Ser
				110					115					120
Leu	Ser	Thr	Cys	Ala	Gly	Leu	Arg	Trp	Arg	Gly	Arg	Thr	Ala	Arg
				125					130					135
Arg	Val	Pro	Gly											

<210> 21
 <211> 213
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524607CD1

<400> 21

Met	Leu	Gln	Leu	Trp	Lys	Leu	Val	Leu	Leu	Cys	Gly	Val	Leu	Thr
1				5					10					15
Gly	Thr	Ser	Glu	Ser	Leu	Leu	Asp	Asn	Leu	Gly	Asn	Asp	Leu	Ser
				20					25					30
Asn	Val	Val	Asp	Lys	Leu	Glu	Pro	Val	Leu	His	Glu	Gly	Leu	Glu
				35					40					45
Thr	Val	Asp	Asn	Thr	Leu	Lys	Gly	Ile	Leu	Glu	Lys	Leu	Lys	Val
				50					55					60
Asp	Leu	Gly	Val	Leu	Gln	Lys	Ser	Ser	Ala	Trp	Gln	Leu	Ala	Lys
				65					70					75
Gln	Lys	Ala	Gln	Glu	Ala	Glu	Lys	Leu	Leu	Asn	Asn	Val	Ile	Ser
				80					85					90
Lys	Leu	Leu	Pro	Thr	Asn	Thr	Asp	Ile	Phe	Gly	Pro	Ile	Ile	Gly
				95					100					105
Gln	Ile	Ile	Asn	Leu	Lys	Ala	Ser	Leu	Asp	Leu	Leu	Thr	Ala	Val
				110					115					120
Thr	Ile	Glu	Thr	Asp	Pro	Gln	Thr	His	Gln	Pro	Val	Ala	Val	Leu

	125		130		135
Gly Glu Cys Ala Ser	Asp Pro Thr Ser	Ile Ser Leu Ser Leu	Leu		
	140		145		150
Asp Lys His Ser Gln	Ile Ile Asn Lys	Phe Val Asn Ser Val	Ile		
	155		160		165
Asn Thr Leu Lys Ser	Thr Val Ser Ser	Leu Leu Gln Lys Glu	Ile		
	170		175		180
Cys Pro Leu Ile Arg	Ile Phe Ile His	Ser Leu Asp Val Asn	Val		
	185		190		195
Ile Gln Gln Val Val	Asp Asn Pro Gln	His Lys Thr Gln Leu	Gln		
	200		205		210
Thr Leu Ile					

<210> 22
 <211> 474
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524690CD1

<400> 22

Met Ser Ala Cys Arg	Ser Phe Ala Val	Ala Ile Cys Ile Leu	Glu
1	5	10	15
Ile Ser Ile Leu Thr	Ala Gln Tyr Thr	Thr Ser Tyr Asp Pro	Glu
	20	25	30
Leu Thr Glu Ser Ser	Gly Ser Ala Ser	His Ile Asp Cys Arg	Met
	35	40	45
Ser Pro Trp Ser Glu	Trp Ser Gln Cys	Asp Pro Cys Leu Arg	Gln
	50	55	60
Met Phe Arg Ser Arg	Ser Ile Glu Val	Phe Gly Gln Phe Asn	Gly
	65	70	75
Lys Arg Cys Thr Asp	Ala Val Gly Asp	Arg Arg Gln Cys Val	Pro
	80	85	90
Thr Glu Pro Cys Glu	Asp Ala Glu Asp	Asp Cys Gly Asn Asp	Phe
	95	100	105
Gln Cys Ser Thr Gly	Arg Cys Ile Lys	Met Arg Leu Arg Cys	Asn
	110	115	120
Gly Asp Asn Asp Cys	Gly Asp Phe Ser	Asp Glu Asp Asp Cys	Glu
	125	130	135
Ser Glu Pro Arg Pro	Pro Cys Arg Asp	Arg Val Val Glu Glu	Ser
	140	145	150
Glu Leu Ala Arg Thr	Ala Gly Tyr Gly	Ile Asn Ile Leu Gly	Met
	155	160	165
Asp Pro Leu Ser Thr	Pro Phe Asp Asn	Glu Phe Tyr Asn Gly	Leu
	170	175	180
Cys Asn Arg Asp Arg	Asp Gly Asn Thr	Leu Thr Tyr Tyr Arg	Arg
	185	190	195
Pro Trp Asn Val Ala	Ser Leu Ile Tyr	Glu Glu Lys Met Phe	Leu
	200	205	210
His Val Lys Gly Glu	Ile His Leu Gly	Arg Phe Val Met Arg	Asn
	215	220	225
Arg Asp Val Val Leu	Thr Thr Thr Phe	Val Asp Asp Ile Lys	Ala
	230	235	240
Leu Pro Thr Thr Tyr	Glu Lys Gly Glu	Tyr Phe Ala Phe Leu	Glu
	245	250	255
Thr Tyr Gly Thr His	Tyr Ser Ser Ser	Gly Ser Leu Gly Gly	Leu
	260	265	270
Tyr Glu Leu Ile Tyr	Val Leu Asp Lys	Ala Ser Met Lys Arg	Lys
	275	280	285
Gly Val Glu Leu Lys	Asp Ile Lys Arg	Cys Leu Gly Tyr His	Leu
	290	295	300

Asp	Val	Ser	Leu	Ala	Phe	Ser	Glu	Ile	Ser	Val	Gly	Ala	Glu	Phe
				305					310					315
Asn	Lys	Asp	Asp	Cys	Val	Lys	Arg	Gly	Glu	Gly	Arg	Ala	Val	Asn
				320					325					330
Ile	Thr	Ser	Glu	Asn	Leu	Ile	Asp	Asp	Val	Val	Ser	Leu	Ile	Arg
				335					340					345
Gly	Gly	Thr	Arg	Lys	Tyr	Ala	Phe	Glu	Leu	Lys	Glu	Lys	Leu	Leu
				350					355					360
Arg	Gly	Thr	Val	Ile	Asp	Val	Thr	Asp	Phe	Val	Asn	Arg	Ala	Ser
				365					370					375
Ser	Ile	Asn	Asp	Ala	Pro	Val	Leu	Ile	Ser	Gln	Lys	Leu	Ser	Pro
				380					385					390
Ile	Tyr	Asn	Leu	Val	Pro	Val	Lys	Met	Lys	Asn	Ala	His	Leu	Lys
				395					400					405
Lys	Gln	Asn	Leu	Glu	Arg	Ala	Ile	Glu	Asp	Tyr	Ile	Asn	Glu	Phe
				410					415					420
Ser	Val	Arg	Lys	Cys	His	Thr	Cys	Gln	Asn	Gly	Gly	Thr	Val	Ile
				425					430					435
Leu	Met	Asp	Gly	Lys	Cys	Leu	Cys	Ala	Cys	Pro	Phe	Lys	Phe	Glu
				440					445					450
Gly	Ile	Ala	Cys	Glu	Ile	Ser	Lys	Gln	Lys	Ile	Ser	Glu	Gly	Leu
				455					460					465
Pro	Ala	Leu	Glu	Phe	Pro	Asn	Glu	Lys						
				470										

<210> 23
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7524733CD1

<400>	23													
Met	Tyr	Arg	Met	Gln	Leu	Leu	Ser	Cys	Ile	Ala	Leu	Ser	Leu	Ala
1				5					10					15
Leu	Val	Thr	Asn	Ser	Ala	Pro	Thr	Ser	Ser	Ser	Thr	Lys	Lys	Thr
				20					25					30
Gln	Leu	Gln	Leu	Glu	His	Leu	Leu	Leu	Asp	Leu	Gln	Met	Ile	Leu
				35					40					45
Asn	Gly	Ile	Asn	Ala	Thr	Glu	Leu	Lys	His	Leu	Gln	Cys	Leu	Glu
				50					55					60
Glu	Glu	Leu	Lys	Pro	Leu	Glu	Glu	Val	Leu	Asn	Leu	Ala	Gln	Ser
				65					70					75
Lys	Asn	Phe	His	Leu	Arg	Pro	Arg	Asp	Leu	Ile	Ser	Asn	Ile	Asn
				80					85					90
Val	Ile	Val	Leu	Glu	Leu	Lys	Gly	Ser	Glu	Thr	Thr	Phe	Met	Cys
				95					100					105
Glu	Tyr	Ala	Asp	Glu	Thr	Ala	Thr	Ile	Val	Glu	Phe	Leu	Asn	Arg
				110					115					120
Trp	Ile	Thr	Phe	Trp	Gln	Ser	Ile	Ile	Ser	Thr	Leu	Thr		
				125					130					

<210> 24
 <211> 218
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7522128CD1

<400> 24

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Met Ala Arg Gly Ala Ala Leu Ala Leu Leu Leu Phe Gly Leu Leu
 1      5      10      15
Gly Val Leu Val Ala Ala Pro Asp Gly Gly Phe Asp Leu Ser Asp
      20      25      30
Ala Leu Pro Asp Asn Glu Asn Lys Lys Pro Thr Ala Ile Pro Lys
      35      40      45
Lys Pro Ser Ala Gly Asp Asp Phe Asp Leu Gly Asp Ala Val Val
      50      55      60
Asp Gly Glu Asn Asp Asp Pro Arg Pro Pro Asn Pro Pro Lys Pro
      65      70      75
Met Pro Asn Pro Asn Pro Asn His Pro Ser Ser Ser Gly Ser Phe
      80      85      90
Ser Asp Ala Asp Leu Ala Asp Gly Val Ser Gly Gly Glu Gly Lys
      95      100      105
Gly Gly Ser Asp Gly Gly Gly Ser His Arg Lys Glu Gly Glu Glu
      110      115      120
Ala Asp Ala Pro Gly Val Ile Pro Gly Ile Val Gly Ala Val Val
      125      130      135
Val Ala Val Ala Gly Ala Ile Ser Ser Phe Ile Ala Tyr Gln Lys
      140      145      150
Lys Lys Leu Cys Phe Lys Glu Asn Gly Gln Leu Ala Gly Ser Leu
      155      160      165
Gly Pro Cys Ile Arg Ile Arg Arg Glu Ala Gly Asn Arg Thr Arg
      170      175      180
Gly Gly Gly His Gly Glu Pro Pro Glu Cys Gln Arg Arg Ala Ser
      185      190      195
Cys Ser Ala Tyr Ser Phe Arg Glu Ile Glu Asp Cys Arg Gln Lys
      200      205      210
Gln Pro Arg Arg Trp Gln Gln Gly
      215

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<210> 25
 <211> 346
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522158CD1

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<400> 25
Met Val Ile Ala Phe Trp Lys Val Phe Leu Ile Leu Ser Cys Leu
 1      5      10      15
Ala Gly Gln Val Ser Val Val Gln Val Thr Ile Pro Asp Gly Phe
      20      25      30
Val Asn Val Thr Val Gly Ser Asn Val Thr Leu Ile Cys Ile Tyr
      35      40      45
Thr Thr Thr Val Ala Ser Arg Glu Gln Leu Ser Ile Gln Trp Ser
      50      55      60
Phe Phe His Lys Lys Glu Met Glu Pro Ile Ser Ile Tyr Phe Ser
      65      70      75
Gln Gly Gly Gln Ala Val Ala Ile Gly Gln Phe Lys Asp Arg Ile
      80      85      90
Thr Gly Ser Asn Asp Pro Val Lys Pro Ser Lys Pro Leu Cys Ser
      95      100      105
Val Gln Gly Arg Pro Glu Thr Gly His Thr Ile Ser Leu Ser Cys
      110      115      120
Leu Ser Ala Leu Gly Thr Pro Ser Pro Val Tyr Tyr Trp His Lys
      125      130      135
Leu Glu Gly Arg Asp Ile Val Pro Val Lys Glu Asn Phe Asn Pro
      140      145      150
Thr Thr Gly Ile Leu Val Ile Gly Asn Leu Thr Asn Phe Glu Gln
      155      160      165
Gly Tyr Tyr Gln Cys Thr Ala Ile Asn Arg Leu Gly Asn Ser Ser

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	170		175		180
Cys Glu Ile Asp	Leu Thr Ser Ser His	Pro Glu Val Gly Ile	Ile		
	185		190		195
Val Gly Ala Leu	Ile Gly Ser Leu Val	Gly Ala Ala Ile Ile	Ile		
	200		205		210
Ser Val Val Cys	Phe Ala Arg Asn Lys	Ala Lys Ala Lys Ala	Lys		
	215		220		225
Glu Arg Asn Ser	Lys Thr Ile Ala Glu	Leu Glu Pro Met Thr	Lys		
	230		235		240
Ile Asn Pro Arg	Gly Glu Ser Glu Ala	Met Pro Arg Glu Asp	Ala		
	245		250		255
Thr Gln Leu Glu	Val Thr Leu Pro Ser	Ser Ile His Glu Thr	Gly		
	260		265		270
Pro Asp Thr Ile	Gln Glu Pro Asp Tyr	Glu Pro Lys Pro Thr	Gln		
	275		280		285
Glu Pro Ala Pro	Glu Pro Ala Pro Gly	Ser Glu Pro Met Ala	Val		
	290		295		300
Pro Asp Leu Asp	Ile Glu Leu Glu Leu	Glu Pro Glu Thr Gln	Ser		
	305		310		315
Glu Leu Glu Pro	Glu Pro Glu Pro Glu	Pro Glu Ser Glu Pro	Gly		
	320		325		330
Val Val Val Glu	Pro Leu Ser Glu Asp	Glu Lys Gly Val Val	Lys		
	335		340		345
Ala					

<210> 26
 <211> 221
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524191CD1

<400> 26	
Met Leu Leu Trp Leu	Leu Leu Leu Ile Leu Thr Pro Gly Arg Glu
1	5 10 15
Gln Ser Gly Val Ala	Pro Lys Ala Val Leu Leu Leu Asp Pro Pro
	20 25 30
Trp Ser Thr Ala Phe	Lys Gly Glu Lys Val Ala Leu Ile Cys Ser
	35 40 45
Ser Ile Ser His Ser	Leu Ala Gln Gly Asp Thr Tyr Trp Tyr His
	50 55 60
Asp Glu Lys Leu Leu	Lys Ile Lys His Asp Lys Ile Gln Ile Thr
	65 70 75
Glu Pro Gly Asn Tyr	Gln Cys Lys Thr Arg Gly Ser Ser Leu Ser
	80 85 90
Asp Ala Val His Val	Glu Phe Ser Pro Asp Trp Leu Ile Leu Gln
	95 100 105
Ala Leu His Pro Val	Phe Glu Gly Asp Asn Val Ile Leu Arg Cys
	110 115 120
Gln Gly Lys Asp Asn	Lys Asn Thr His Gln Lys Val Tyr Tyr Lys
	125 130 135
Asp Gly Lys Gln Leu	Pro Asn Ser Tyr Asn Leu Glu Lys Ile Thr
	140 145 150
Val Asn Ser Val Ser	Arg Asp Asn Ser Lys Tyr His Cys Thr Ala
	155 160 165
Tyr Arg Lys Phe Tyr	Ile Leu Asp Ile Glu Val Thr Ser Lys Pro
	170 175 180
Leu Asn Ile Gln Val	Gln Glu Ile Ala Arg Pro Ser Asp Trp Ala
	185 190 195
Gly Ala Gly Pro Pro	Asp Ser Arg Ser Leu Pro Cys Gly Leu Lys
	200 205 210

Thr Gln Gly Leu Thr Gly Val Arg Trp Arg Gln
 215 220

<210> 27
 <211> 306
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7525225CD1

<400> 27
 Met Leu Phe Leu Leu Leu Pro Leu Leu Ala Val Leu Pro Gly Asp
 1 5 10 15
 Gly Asn Thr Asp Gly Leu Lys Glu Pro Leu Ser Phe His Val Thr
 20 25 30
 Trp Ile Ala Ser Phe Tyr Asn His Ser Trp Lys Gln Asn Leu Val
 35 40 45
 Ser Gly Trp Leu Ser Asp Leu Gln Thr His Thr Trp Asp Ser Asn
 50 55 60
 Ser Ser Thr Ile Val Phe Leu Cys Pro Trp Ser Arg Gly Asn Phe
 65 70 75
 Ser Asn Glu Glu Trp Lys Glu Leu Glu Thr Leu Phe Arg Ile Arg
 80 85 90
 Thr Ile Arg Ser Phe Glu Gly Ile Arg Arg Tyr Ala His Glu Leu
 95 100 105
 Gln Phe Glu Tyr Pro Phe Glu Ile Gln Val Thr Gly Gly Cys Glu
 110 115 120
 Leu His Ser Gly Lys Val Ser Gly Ser Phe Leu Gln Leu Ala Tyr
 125 130 135
 Gln Gly Ser Asp Phe Val Ser Phe Gln Asn Asn Ser Trp Leu Pro
 140 145 150
 Tyr Pro Val Ala Gly Asn Met Ala Lys His Phe Cys Lys Val Leu
 155 160 165
 Asn Gln Asn Gln His Glu Asn Asp Ile Thr His Asn Leu Leu Ser
 170 175 180
 Asp Thr Cys Pro Arg Phe Ile Leu Gly Leu Leu Asp Ala Gly Lys
 185 190 195
 Ala His Leu Gln Arg Gln Val Lys Pro Glu Ala Trp Leu Ser His
 200 205 210
 Gly Pro Ser Pro Gly Pro Gly His Leu Gln Leu Val Cys His Val
 215 220 225
 Ser Gly Phe Tyr Pro Lys Pro Val Trp Val Met Trp Met Arg Gly
 230 235 240
 Glu Gln Glu Gln Gln Gly Thr Gln Arg Gly Asp Ile Leu Pro Ser
 245 250 255
 Ala Asp Gly Thr Trp Tyr Leu Arg Ala Thr Leu Glu Val Ala Ala
 260 265 270
 Gly Glu Ala Ala Asp Leu Ser Cys Arg Val Lys His Ser Ser Leu
 275 280 285
 Glu Gly Gln Asp Ile Val Leu Tyr Trp Gly Leu Ala Leu Trp Phe
 290 295 300
 Arg Lys Arg Cys Phe Cys
 305

<210> 28
 <211> 326
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513053CD1

<400> 28

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Met Gly Val Pro Arg Pro Gln Pro Trp Ala Leu Gly Leu Leu Leu
 1          5          10          15
Phe Leu Leu Pro Gly Ser Leu Gly Ala Glu Ser His Leu Ser Leu
 20          25          30
Leu Tyr His Leu Thr Ala Val Ser Ser Pro Ala Pro Gly Thr Pro
 35          40          45
Ala Phe Trp Val Ser Gly Trp Leu Gly Pro Gln Gln Tyr Leu Ser
 50          55          60
Tyr Asn Ser Leu Arg Gly Glu Ala Glu Pro Cys Gly Ala Trp Val
 65          70          75
Trp Glu Asn Gln Val Ser Trp Tyr Trp Glu Lys Glu Thr Thr Asp
 80          85          90
Leu Arg Ile Lys Glu Lys Leu Phe Leu Glu Ala Phe Lys Ala Leu
 95          100         105
Gly Gly Lys Gly Pro Tyr Thr Leu Gln Gly Leu Leu Gly Cys Glu
110         115         120
Leu Gly Pro Asp Asn Thr Ser Val Pro Thr Ala Lys Phe Ala Leu
125         130         135
Asn Gly Glu Glu Phe Met Asn Phe Asp Leu Lys Gln Gly Thr Trp
140         145         150
Gly Gly Asp Trp Pro Glu Ala Leu Ala Ile Ser Gln Arg Trp Gln
155         160         165
Gln Gln Asp Lys Ala Ala Asn Lys Glu Leu Thr Phe Leu Leu Phe
170         175         180
Ser Cys Pro His Arg Leu Arg Glu His Leu Glu Arg Gly Arg Gly
185         190         195
Asn Leu Glu Trp Lys Glu Pro Pro Ser Met Arg Leu Lys Ala Arg
200         205         210
Pro Ser Ser Pro Gly Phe Ser Val Leu Thr Cys Ser Ala Phe Ser
215         220         225
Phe Tyr Pro Pro Glu Leu Gln Leu Arg Phe Leu Arg Asn Gly Leu
230         235         240
Ala Ala Gly Thr Gly Gln Gly Asp Phe Gly Pro Asn Ser Asp Gly
245         250         255
Ser Phe His Ala Ser Ser Ser Leu Thr Val Lys Ser Gly Asp Glu
260         265         270
His His Tyr Cys Cys Ile Val Gln His Ala Gly Leu Ala Gln Pro
275         280         285
Leu Arg Val Glu Leu Ala Pro Trp Ile Ser Leu Arg Gly Asp Asp
290         295         300
Thr Gly Val Leu Leu Pro Thr Pro Gly Glu Ala Gln Asp Ala Asp
305         310         315
Leu Lys Asp Val Asn Val Ile Pro Ala Thr Ala
320         325

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<210> 29

<211> 158

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513086CD1

<400> 29

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Met Gly Cys Leu Leu Phe Leu Leu Leu Trp Ala Leu Leu Gln Ala
 1          5          10          15
Trp Gly Ser Ala Glu Val Pro Gln Arg Leu Phe Pro Leu Arg Cys
 20          25          30
Leu Gln Ile Ser Ser Phe Ala Asn Ser Ser Trp Thr Arg Thr Asp
 35          40          45
Gly Leu Ala Trp Leu Gly Glu Leu Gln Thr His Ser Trp Ser Asn

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	50		55		60
Asp Ser Asp Thr Val Arg Ser Leu Lys Pro Trp Ser Gln Gly Thr					
	65		70		75
Phe Ser Asp Gln Gln Trp Glu Thr Leu Gln His Ile Phe Arg Val					
	80		85		90
Tyr Arg Ser Ser Phe Thr Arg Asp Val Lys Glu Phe Ala Lys Met					
	95		100		105
Leu Arg Leu Ser Tyr Pro Leu Glu Leu Gln Val Ser Ala Gly Cys					
	110		115		120
Glu Val His Pro Gly Asn Ala Ser Asn Asn Phe Phe His Val Ala					
	125		130		135
Phe Gln Gly Lys Asp Ile Leu Ser Phe Gln Gly Thr Ser Trp Glu					
	140		145		150
Pro Thr Gln Glu Ala Pro Leu Trp					
	155				

<210> 30
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513557CD1

<400> 30	
Met Gly Pro Pro Ser Ala Ala Pro Arg Gly Gly His Arg Pro Trp	
1 5 10 15	
Gln Gly Leu Leu Ile Thr Glu Asn Asn Val Pro Gly Leu Pro Val	
20 25 30	
Gly Ala Val Ala Gly Ile Val Thr Gly Val Leu Val Gly Val Ala	
35 40 45	
Leu Val Ala Ala Leu Val Tyr Phe Leu Leu Leu Ser Arg Thr Gly	
50 55 60	
Arg Ala Ser Ile Gln Arg Asp Leu Arg Glu Gln Pro Pro Pro Ala	
65 70 75	
Ser Thr Pro Gly His Gly Pro Ser His Arg Ser Thr Phe Ser Ala	
80 85 90	
Pro Leu Pro Ser Pro Arg Thr Ala Thr Pro Ile Tyr Glu Glu Leu	
95 100 105	
Leu Tyr Ser Asp Ala Asn Ile Tyr Cys Gln Ile Asp His Lys Ala	
110 115 120	
Asp Val Val Ser	

<210> 31
 <211> 247
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513718CD1

<400> 31	
Met His Leu Leu Ala Ile Leu Phe Cys Ala Leu Trp Ser Ala Val	
1 5 10 15	
Leu Ala Glu Asn Ser Asp Asp Tyr Asp Leu Met Tyr Val Asn Leu	
20 25 30	
Asp Asn Glu Ile Asp Asn Gly Leu His Pro Thr Glu Asp Arg Cys	
35 40 45	
Glu Thr Ala Ile Leu Phe Pro Met Arg Ser Lys Lys Ile Phe Gly	
50 55 60	
Ser Val His Pro Val Arg Pro Met Arg Leu Glu Ser Phe Ser Ala	
65 70 75	

Cys	Ile	Trp	Val	Lys	Ala	Thr	Asp	Val	Leu	Asn	Lys	Thr	Ile	Leu
				80					85					90
Phe	Ser	Tyr	Gly	Thr	Lys	Arg	Asn	Pro	Tyr	Glu	Ile	Gln	Leu	Tyr
				95					100					105
Leu	Ser	Tyr	Gln	Ser	Ile	Val	Phe	Val	Val	Gly	Gly	Glu	Glu	Asn
				110					115					120
Lys	Leu	Val	Ala	Glu	Ala	Met	Val	Ser	Leu	Gly	Arg	Trp	Thr	His
				125					130					135
Leu	Cys	Gly	Thr	Trp	Asn	Ser	Glu	Glu	Gly	Leu	Thr	Ser	Leu	Trp
				140					145					150
Val	Asn	Gly	Glu	Leu	Ala	Ala	Thr	Thr	Val	Glu	Met	Ala	Thr	Gly
				155					160					165
His	Ile	Val	Pro	Glu	Gly	Gly	Ile	Leu	Gln	Ile	Gly	Gln	Glu	Lys
				170					175					180
Asn	Gly	Cys	Cys	Val	Gly	Gly	Gly	Phe	Asp	Glu	Thr	Leu	Ala	Phe
				185					190					195
Ser	Gly	Arg	Leu	Thr	Gly	Phe	Asn	Ile	Trp	Asp	Ser	Val	Leu	Ser
				200					205					210
Asn	Glu	Glu	Ile	Arg	Glu	Thr	Gly	Gly	Ala	Glu	Ser	Cys	His	Ile
				215					220					225
Arg	Gly	Asn	Ile	Val	Gly	Trp	Gly	Val	Thr	Glu	Ile	Gln	Pro	His
				230					235					240
Gly	Gly	Ala	Gln	Tyr	Val	Ser								
				245										

<210> 32
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7514003CD1

Met	Leu	Trp	Arg	Gln	Leu	Ile	Tyr	Trp	Gln	Leu	Leu	Ala	Leu	Phe
1				5					10					15
Phe	Leu	Pro	Phe	Cys	Leu	Cys	Gln	Asp	Glu	Tyr	Met	Glu	Ser	Pro
				20					25					30
Gln	Thr	Gly	Gly	Leu	Pro	Pro	Asp	Cys	Ser	Lys	Cys	Cys	His	Gly
				35					40					45
Asp	Tyr	Ser	Phe	Arg	Gly	Tyr	Gln	Gly	Pro	Pro	Gly	Pro	Pro	Gly
				50					55					60
Pro	Pro	Gly	Ile	Pro	Gly	Asn	His	Gly	Asn	Asn	Gly	Asn	Asn	Gly
				65					70					75
Ala	Thr	Gly	His	Glu	Gly	Ala	Lys	Asp	Cys	Ile	His	Gly	Phe	Ser
				80					85					90
Gly	Asn	Pro	Leu	Gln	Gln	Ser	Glu	Gln	Trp	Asp	Tyr	Leu	Gln	Gln
				95					100					105

Cys

<210> 33
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522043CB1

<400> 33
 tagagagcaa tatggctggt tccccaacat gcctcacct catctatata ctttggcagc 60
 tcacagggtc agcagcctct ggaccctga aagagctggt cggttccggt ggtggggccg 120

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tgactttccc cctgaagtcc aaagtaaagc aagttgactc tattgtctgg accttcaaca 180
caacccctct tgtcaccata cagccagaag ggggcactat catagtgacc caaaatcgta 240
atagggagag agtagacttc ccagatggag gctactccct gaagctcagc aaactgaaga 300
agaatgactc agggatctac tatgtgggga tatacagctc atcactccag cagccctcca 360
cccaggagta cgtgctgcat gtctacgagc acctgtcaaa gcctaaagt c accatgggtc 420
tgcagagcaa taagaatggc acctgtgtga ccaatctgac atgctgcatg gaacatgggg 480
aagaggatgt gatttatacc tggaggccc tggggcaagc agccaatgag tcccataatg 540
gggtccatcct ccccatctcc tggagatggg gagaaagtga tatgaccttc atctgcgttg 600
ccaggaaccc tgtcagcaga aacttctcaa gccccatcct tgccaggaag ctctgtgaag 660
agaacaatcc taaaggaaga tccagcaaat acggtttact ccactgtgga aataccgaaa 720
aagatggaaa atccccactc actgctcacg atgccagaca caccaaggct atttgcctat 780
gagaatgtta tctagacagc agtgcactcc ccta 814

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<210> 34
<211> 1402
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7523539CB1

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<400> 34
tagtggctcc ctggttcaac ctcaaggcct tgaggttttg gcagctctgg aggatgagag 60
agaacatggc caggggccct tgcaacgcgc cgagatgggc gtccctgatg gtgctcgtcg 120
ccataggcac cgccgtgaca gcggccgtca accctggcgt cgtggtcagg atctcccaga 180
agggcctgga ctacgccagc cagcagggga cgcccgctct gcagaaggag ctgaagagga 240
tcaagattcc tgactactca gacagcttta agatcaagca tcttgggaag gggcattata 300
gcttctacag catggacatc cgtgaattcc agcttcccag ttcccagata agcatgggtgc 360
ccaatgtggg ccttaagtcc tccatcagca acgccaatat caagatcagc gggaaatgga 420
aggcacaaaa gagattcttg tggctgatcc aactcttcca caaaaaaatt gagtctgcgc 480
ttcgaaacaa gatgaacagc caggtctgcg agaaagtgac caattctgta tctccaagc 540
tgcaacctta tttccagact ctgccagtaa tgacaaaaat agattctgtg gctggaatca 600
actatgggtc ggtggcacct ccagcaacca cggtgagac cctggatgta cagatgaagg 660
gggagtttta cagtgagaac caccacaatc cacctccctt tgctccacca gtgatggagt 720
ttcccgctgc ccatgaccgc atggtatacc tgggcctctc agactacttc ttcaacacag 780
ccgggcttgt ataccaagag gctggggtct tgaagatgac ccttagagat gacatgattc 840
caaaggagtc caaatttcga ctgacaacca agttcttttg aaccttccta cctgaggtgg 900
ccaagaagtt tccaacatg aagatacaga tccatgtctc agcctccacc ccgccacacc 960
tgtctgtgca gccacccggc cttaccttct accctgccgt ggatgtccag gcctttgccc 1020
tcttccccaa ctctccctg gcttccctct tcttgattgg catgcacaca actggttcca 1080
tggaggtcag cgccgagtc aacaggcttg ttggagagct caagctggat aggctgctcc 1140
tggaaactgaa gcaactcaaat attggccctt tcccggttga attgctgcag gatatcatga 1200
actacattgt acccattctt gtgctgcccc ggggttaacga gaaactacag aaaggcttcc 1260
ctctcccgac gccggccaga gtccagctct acaacgtagt gcttcagcct caccagaact 1320
tctgtctgtt cgggtgcagac gttgtctata aatgaaggca ccaggggtgc cgggggctgt 1380
cagccacacc tgttcctgat ga 1402

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<210> 35
<211> 1863
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7523587CB1

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```

<400> 35
tacggcagag tagaggccaa ggagggtctt gtgccagccc cgatgaggac gctgctgacc 60
atcttgactg tgggatccct ggctgctcac gcccctgagg acccctcgga tctgctccag 120
cacgtgaaat tccagtccag caactttgaa aacatcctga cgtgggacag cgggccggag 180
ggcacccccag acacggtcta cagcatcgag tataagacgt acggagagag ggactgggtg 240
gcaaagaagg gctgtcagcg gatcaccggg aagtcttgca acctgacggg ggagacgggc 300
aacctcacgg agctctacta tgccagggtc accgctgtca gtgcgggagg ccggtcagcc 360

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accaagatga ctgacaggtt cagctctctg cagcacagaa gaagacccac agcattcatc 420
acatttctcaa aggagtctgt aaaccagcaa agctaccctc aagccacctg atgtgacctg 480
tatctccaaa gtgagatcga ttcagatgat tgttcatcct acccccacgc ccatccgtgc 540
aggcgatggc caccggctaa ccctggaaga catcttccat gacctgttct accacttaga 600
gctccaggtc aaccgcacct accaaatgca ccttgaggag aagcagagag aatatgagtt 660
cttcggcctg accctgaca cagagttcct tggcaccatc atgatttgcg tccccacctg 720
ggccaaggag agtgccccct acatgtgccc agtgaagaca ctgccagacc ggacatggac 780
ctactccttc tccggagcct tcctgttctc catgggcttc ctgctgcgag tactctgcta 840
cctgagctac agatatgtca ccaagccgcc tgcacctccc aactccctga acgtccagcg 900
agtccctgact ttccagccgc tgcgcttcat ccaggagcac gtcctgatcc ctgtctttga 960
cctcagcggc cccagcagtc tggcccagcc tgtccagtac tcccagatca ggggtgtctg 1020
acccagggag cccgcaggag ctccacagcg gcatagcctg tccgagatca cctacttagg 1080
gcagccagac atctccatcc tccagccctc caacgtgcca cctccccaga tcctctcccc 1140
actgtcctat gccccaaacg ctgcccctga ggtcggggcc ccctcctatg cacctcaggt 1200
gacccccgaa gctcaattcc cattctacgc cccacaggcc atctctaagg tccagccttc 1260
ctcctatgcc cctcaagcca ctccggacag ctggccctccc tcctatggg tatgcatgga 1320
aggttctggc aaagactccc ccactgggac actttctagt cctaaacacc ttaggcctaa 1380
aggtcagctt cagaaaagac caccagctgg aagctgcctg ttaggtggcc ttctctgca 1440
ggaggtgacc tccttggtca tggaggaaac aaagaagca aaatcattgc accagccct 1500
ggggatttgc acagacagaa catctgaccc aaatgtgcta cacagtgggg aggaagggac 1560
accacagtac ctaaagggcc agctccccct cctctcctca gtccagatcg agggccaccc 1620
catgtccctc cctttgcaac ctccctcccg tccatgttcc ccctcggacc aagggtccaa 1680
tccttggggc ctgctggagt cccttgtgtg tcccaggat gaagccaaga gcccagcccc 1740
tgagacctca gacctggagc agcccacaga actggattct cttttcagag gcctggccct 1800
gactgtgcag tgggagtcct gaggggaatg ggaaaggctt ggtgcttct cctgtcccta 1860
cca

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<210> 36
<211> 1451
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7523622CB1

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<400> 36
agtggctccc tggttcaacc tcaaggcctt gaggtttggc ggctctggag gatgagagag 60
aacatggcca ggggcccttg caacacgcgc agatgggtgt ccctgatggg gctcgtcgcc 120
ataggcaccg ccgtgacagc ggccgtcaac cctggcgctg tggtcaggat ctcccagaag 180
ggcctggact acgccagcca gcaggggacg gccgctctgc agaaggagct gaagaggatc 240
aagattcctg agcttttaag cagctttaag atcaagcatc ttgggaaggg gcattatagc 300
ttctacagca tggacatccg tgaattccag ctcccagtt cccagataag catggtgccc 360
aatgtggggc ttaagttctc catcagcaac gccaatatca agatcagcg gaaatggaag 420
gcacaaaaga gattcttaaa aatgagcggc aattttgacc tgagcataga aggcattgtc 480
atctcggtg atctgaagct gggcagtaac cccacgtcag gcaagcccac catcacctgc 540
tccagctgca gcagccacat caacagtgtc cagctgcaca tctcaaagag caaagtgggg 600
tggctgatcc aactcttcca caaaaaaatt gagtctgcgc ttcgaaacaa gatgaacagc 660
caggtctgcg aggaagtgc caattctgta tcctccgagc tgcaacctta tttccagact 720
ctgccagtaa tgacaaaat agattctgtg gctggaatca actatgggtt ggtggcacct 780
ccagcaacca cggctgagac cctggatgta cagatgaagg gggagtttta cagtgagaac 840
caccacaatc cacctccctt tgctccacca gtgatggagt tccccgctgc ccatgaccgc 900
atggtatacc tgggcctctc agactacttc ttcaacacag ccgggcttgt ataccaagag 960
gctgggggtc tgaagatgac ccttagagat gacatgattc caaaggagtc caaatttcga 1020
ctgacaacca agttcttttg aaccttccta cctgaggtgg ccaagaagtt tccaacatg 1080
aagatacaga tccatgtctc agcctccacc ccgccacacc tgtctgtgca gccacccggc 1140
cttaccttct accctgccgt ggatgtccag gcctttgccc tcctcccaa ctccctccctg 1200
gcttccctct tcctgattgg catggttgag ttgctgcagg atatcatgaa ctacattgta 1260
ccattcttgg tgcgtcccag ggtaacgag aaactacaga aaggcttccc tctcccagc 1320
ccggccagag tcagctcta caacgtagt ctccagcctc accgaactt cctgctgttc 1380
ggtgcagacg ttgtctataa atgaaggcac caggggtgcc gggggctgtc agccacacct 1440
gttccctgatg a

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<210> 37

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<211> 1685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523711CB1

<400> 37

tacggcagag	tagaggccaa	gggagggctc	tgtgccagcc	ccgatgagga	cgctgctgac	60
catcttgact	gtgggatccc	tggctgctca	cgcccctgag	gacccctcgg	atctgctcca	120
gcacgtgaaa	ttccagtcca	gcaactttga	aaacatcctg	acgtgggaca	gcgggccaga	180
gggcacccca	gacacgggtc	acagcatcga	gtataagacg	aagaagaccc	acagcattca	240
tcacattctc	aaaggagtct	gtaaaccagc	aaagctaccc	tcaagccacc	tgatgtgacc	300
tgtatctcca	aagtgagatc	gattcagatg	attgttcatc	ctacccccac	gccaatccgt	360
gcaggcgatg	gccaccggct	aaccctggaa	gacatcttcc	atgacctgtt	ctaccactta	420
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ggcagccaga	catctccatc	ctccagccct	ccaacgtgcc	acctccccag	atcctctccc	960
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ctgagacctc	agacctggag	cagcccacag	aactggattc	tcctttcaga	ggcctggccc	1620
tgactgtgca	gtgggagttc	tgaggggaat	gggaaaggct	tggtgcttcc	tcctgtctcc	1680
tacca						1685

<210> 38

<211> 1835

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523729CB1

<400> 38

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cggacgcgtc	cccagggcag	cgccgggcca	ctgcagtgtc	acggagttag	acccttgggc	180
gacttgaact	gctcgtggga	gcctcttggg	gacctgggag	ccccctccga	gttacacctc	240
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ggatgacccc	ctggaggcca	ctgtccattg	ggccccacct	acatggccat	ctcataaagt	360
tctgatctgc	cagttccact	accgaagatg	tcaggaggcg	gcctggaccc	tgctggaacc	420
ggagctgaag	accatacccc	tgaccctgtg	tgagatccaa	gatttgagac	tagccactgg	480
ctacaaagtg	tatggccgct	gccggatgga	gaaagaagag	gatttgtggg	gcgagtggag	540
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cctctgtggg	acgcctggag	gagaggaacc	tttgcttcta	tggaaggccc	cagggccctg	660
tgtgcagggt	agctacaaa	tctggttctg	ggttggagg	cgtgagctga	gtccagaagg	720
aattacctgc	tgctgctccc	taattccag	tggggcggag	tgggccagg	tgtccgctgt	780
caacgccaca	agccgggagc	ctctcaccaa	cctctctttg	gtctgcttgg	attcagcctc	840
tgccccccgt	agcgtggcag	tcagcagcat	cgctgggagc	acggagctac	tggtgacctg	900

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gcaaccgggg cctggggaac cactggagca ttagtgagac tgggctcgag atgggggaccc 960
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cctattcttg tggggcttgt tcctgttggg gtgtggcctg agcctggcca cctctggaag 1500
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```

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<210> 39
<211> 1495
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<223> Incyte ID No: 7523763CB1

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<400> 39
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aggctcagac cccgtgctct gcttcaccca gtatgaagaa tcctccggca agtgcaagg 180
cctcctgggg ggtggtgtca gcgtggaaga ctgctgtctc aacactgcct ttgcctacca 240
gaaacgtagt ggtgggctct gtcagccttg cagtccttac ctttgcttac tgcggacctg 300
gtggtggcca tgccagcctt ccaatggtaa ctccagatgc ctgattgtga aggtccccac 360
gatgggtccct gtggtccaca tgggccccct gttcgggtgac gtgctctgag ggctcccagc 420
tgcggtaccg gcgctgtgtg ggctggaatg ggcagtgtc tggaaagggt gcacctggga 480
ccctggagtg gcagctccag gcctgtgagg accagcagtg ctgtcctgag atgggagggt 540
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gcaggcgagc ctgtaatcac cctgtcctca agtgtgggg ccactgccc ggacaggcac 660
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agctacaagg gcagaagctg gtggtggagg agaaacgacc atgtctacac gtgcctgctt 1440
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<210> 40
<211> 1313
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7523006CB1

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<400> 40
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aagggcctcc tggggggtgg tgtcagcgtg gaagactgct gtctcaacac tgcctttgcc 240
taccagaaac gtagtggtgg gctctgtcag ccttgccagg cccacacgatg gtccctgtgg 300
tccacatggg cccctgttc ggtgacgtgc tctgaggggt cccagctgcg gtaccggcgc 360
tgtgtgggct ggaatgggca gtgctctgga aaggtggcac ctgggaccct ggagtggcag 420
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<210> 41
 <211> 691
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523261CB1

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<400> 41
ctgggcactc gcgcagaggc cggcccagac agccatgggt gctgggagcg acgcggggcg 60
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ttcccaacaa atatatggtg ttgtgtatgg gaatgtaact ttccatgtac caagcaatgt 180
gcctttaaaa gaggtcctat gaaaaaaca aaaggataaa gttgcagAAC gtgaaaattc 240
tgaattcaga gctttctcat cttttaaaaa tagggtttat ttagacactg tgtcaggtag 300
cctcactatc tacaacttaa catcatcaga tgaagatgag tatgaaatgg aatcgccaaa 360
tattactgat accatgaagt tctttcttta tgtgcttgag tctcttccat ctcccacact 420
aacttgtgca ttgactaatg gaagcattga agtccaatgc atgataccag agcattacaa 480
cagccatcga ggacttataa tgtactcatg ggattgtcct atggagcaat gtaaacgtca 540
ttcaagacac agatatgcac ttatacccat accattagca gtaattacaa catgtattgt 600
gctgtatatg aatggtattc tgaaatgtga cagaaaacca gacagaacca actccaattg 660
attggttaaca gaagatgaag acaacagcat a

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<210> 42
 <211> 954
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523277CB1

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<400> 42
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aagccaacag acatgggcat gttctttgag ttatatcctc gcctctgaca ttggagcatc 180
aatgacgac catgcctttg gggcctactt tggcttggct gtagcaggca tcttgatcgc 240
atctggactg agaaaggggc atgaaaatga agagtccgca tactactcag acttgtttgc 300
aatgattggg actctctttc tgtggatgtt ttggcccagc tttaactcgg ccattgtctga 360
acctggagac aaacagtgca gggcattgt aaacacgtac ttctctctcg ctgcctgtgt 420
gctcacagcc tttgccttct ccagcctagt ggagcaccga ggcaagctca acatggttca 480
cattcagaat gccacccttg ctggaggagt tgctgtgggc acttggtgcg atatggcaat 540

```

```

tcacccattt gggttctatga ttattgggag cattgcagga atgggtctctg tgcttggata 600
caagttcctg actccacttt ttactactaa actgaggatc catgatacat gtgggggtcca 660
taacctccac ggcttacctg gtgtagtggg aggccttgca ggcattgtgg cagtagcaat 720
ggg'gcctcc aacacgtcta tggccatgca ggcagctgca ctgggttcct ctatcggaac 780
agcagttgtt ggaggtctga tgacaggttt aattctaaag ttgcctctct ggggacagcc 840
atctgaccag aactgctatg atgattctgt ttattggaag gtccctaaga cgagataact 900
tgacaatcag ttccatggac atggtgacca cagccagctg gaacctgaag tcta 954

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<210> 43
 <211> 591
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523279CB1

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<400> 43
tagccatggc ttgccttgga tttcagcggc acaaggctca gctgaacctg gctaccagga 60
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acgtggccca gctgctgtg gtactggcca gcagccgagg catcgccagc tttgtgtgtg 180
agtatgcac tccaggcaaa gccactgagg tccgggtgac agtgcttcgg caggctgaca 240
gccaggtgac tgaagtctgt gcggcaacct acatgatggg gaatgagttg accttcctag 300
atgattccat ctgcacgggc acctccagtg gaaatcaagt gaacctcact atccaaggac 360
tgagggccat ggacacggga ctctacatct gcaagggtgga gctcatgtac ccaccgccat 420
actacctggg cataggcaac ggaacccaga tttatgtaat tgctaaagaa aagaagccct 480
cttacaacag gggctctatg gaaaatgccc ccaacagagc cagaatgtga aaagcaattt 540
cagccttatt ttattcccat caattgagaa accattatga agaagagagt a 591

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<210> 44
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523296CB1

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<400> 44
tatggacacc accaggtaca gcaagtgggg cggcagctcc gaggaggtcc ccggagggcc 60
ctggggacgc tgggtgcact ggagcaggag aacctcttc ttggccctgg ctgtcctggt 120
caccacagtc ctttgggctg tgattctgag tatactattg tccaagggtc cggggacgca 180
ggcgagctg cagaccacgc gcgcggagct tggggaggcg caggcgaagc tgatggagca 240
ggagagcgcc ctgcgggaac tgcgtgagcg cgtgacctag ggcttggctg aagccggcag 300
gggccgtgag gacgtccgca ctgagctgtt cggggcgctg gaggccgtga ggctccagaa 360
caactcctgc gagccgtgcc ccacgtcgtg gctgtccttc gagggctcct gctacttttt 420
ctctgtgcca aagacgacgt gggcggcggc gcaggatcac tgcgcagatg ccagcgcgca 480
cctggtgatc gttgggggcc tggatgagca gggcttcctc actcggaaca cgcgtggcgg 540
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ggtggacgga gtctctctca gcttcagcca ctggaaccag ggagagccca atgacgcttg 660
ggggcgcgag aactgtgtca tgatgctgca cacggggctg tggaacgacg caccgtgtga 720
cagcgagaag gacggctgga tctgtgagaa aaggcacaac tgctga 766

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<210> 45
 <211> 1091
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521779CB1

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<400> 45
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atcggatgct tatatacctt tctgataagc acaacatttg gctgtacttc atcttcagac 120

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```

accgagataa aagttaaccc tcctcaggat tttgagatag tggatcccgg atacttaggt 180
tatctctatt tgcaatggca acccccactg tctctggatc attttaagga atgcacagtg 240
gaatatgaac taaaataccg aaacattggg agtgaaacat ggaagaccat cactactaag 300
aatctacatt acaaagatgg gtttgatcct aacaagggca ttgaagcgaa gatacacacg 360
cttttaccat ggcaatgcac aaatggatca gaagttcaaa gttcctgggc agaaactact 420
tattggatat caccacaagg aattccagaa actaaagttc aggatatgga ttgcgtatat 480
tacaattggc aatatttact ctgttcttgg aaacctggca taggtgtact tcttgatacc 540
aattacaact tgttttactg gtatgagggc ttggatcatg cattacagtg tgttgattac 600
atcaaggctg atggacaaaa tataggatgc agatttcctt atttgagggc atcagactat 660
aaagatttct atatttgtgt taatggatca tcagagaaca agcctatcag atccagttat 720
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aggtgttttg attatgaaat tgagatcaga gaagatgata ctaccttggg ggtgaagacc 900
tatcgaagaa aactttgcta cgtttctggc taccatttgg tttcatctta atattagtta 960
tatttgtaac cggctctgct ttgcgtaagc caaacaccta cccaaaaatg attccagaat 1020
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cagtcatggc a                                     1091

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<210> 46
<211> 703
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7521826CB1

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<400> 46
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ggaaagaatg tcacactcac ttgtcagcct cagatgacgt ggctgtgca ggcagtgagg 180
tgggaaaaga tccagccccg tcagatcgac ctcttaactt actgcaactt ggtccatggc 240
agaaatttca cctccaagtt cccaagacaa atagttagca actgcagcca cggaaggtgg 300
agcgtcatcg tcatccccga tgtcacagtc tcagactcgg ggctttaccg ctgctacttg 360
caggccagcg caggagaaaa cgaaaccttc gtgatgagat tgactgtagc cgagggtaaa 420
accgataacc aatataccct ctttgtggct ggaggacag ttttattggt gttgtttgtt 480
atctcaatta ccaccatcat tgtcattttc cttaacagaa ggagaaggag agagagaaga 540
gatctattta cagagtcctg ggatacacag aaggcaccga ataactatag aagtcccatc 600
tctaccggtc aacctaccaa tcaatccatg gatgatacaa gagaggatat ttatgtcaac 660
tatccaacct tctctcgcat accaaagact agagtttaag cta                                     703

```

```

<210> 47
<211> 541
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7521901CB1

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<400> 47
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tgactttccc cctgaagtcc aaagtaaagc aagttgactc tattgtctgg accttcaaca 180
caacccctct tgtcaccata cagccagaag ggggcactat catagtgacc caaaatcgta 240
atagggagag agtagacttc ccagatggag gctactccct gaagctcagc aaactgaaga 300
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gtttactcca ctgtggaaat accgaaaaag atggaaaatc cccactcact gctcacgatg 480
ccagacacac caaggctatt tgcctatgag aatgttatct agacagcagt gcactccctc 540
a                                     541

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<210> 48
<211> 713

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<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522003CB1

<400> 48
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 caatgtgacc ctggaatgca actttgacac tggaagtcac gtgaaccttg gagcaataac 180
 agccagtttg caaaagggtg aaaatgatac atccccacac cgtgaaagag ccactttgct 240
 ggaggagcag ctgcccctag ggaaggcctc gttccacata cctcaagtcc aagtgaggga 300
 cgaaggacag taccaatgca taatcatcta tggggctcgcc tgggactaca agtacctgac 360
 tctgaaagtc aaagcttcct acagggaaaat aaacactcac atcctaaagg ttccagaaac 420
 agatgaggta gagctcacct gccaggctac aggttatcct ctggcagaag tatcctggcc 480
 aaacgtcagc gttcctgcca acaccagcca ctccaggacc cctgaaggcc tctaccaggt 540
 caccagtgtt ctgcgccctaa agccaccccc tggcagaaac ttcagctgtg tgttctggaa 600
 tactcacgtg agggaaactta ctttgccag cattgacctt caaaacacaa caaaaagacc 660
 tgtcaccaca acaaagaggg aagtgaacag tgctatctga acctgtggtc tta 713

<210> 49
 <211> 648
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522014CB1

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<210> 50
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522038CB1

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 <211> 676
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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523429CB1

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<210> 52

<211> 2481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523941CB1

<400> 52

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<210> 53

<211> 689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524607CB1

<400> 53

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<210> 54

<211> 1461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524690CB1

<400> 54

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aacgtggctt ctttgatcta tgaagaaaaa atgtttctgc atgtgaaagg agaaattcat 660
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gatggaaagt gtttgtgtgc ctgcccattc aaatttgagg gaattgcctg tgaaatcagt 1380
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tggtttctct gagctccagt a                                     1461

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<210> 55
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524733CB1

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tgtagaattt ctgaacagat ggattacctt ttggcaaagc atcatctcaa cactgacttg 420
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<210> 56
 <211> 1273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522128CB1

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<210> 57
 <211> 1132
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7522158CB1

<400> 57

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<210> 58

<211> 2214

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7524191CB1

<400> 58

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 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7525225CB1

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 <213> Homo sapiens

<220>
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